IN THE CLAIMS:

1.-5. (Cancelled)

6. (Currently Amended) A ~~gasdynamic~~ gas dynamic bearing motor comprising:

a stationary shaft having a cylindrical surface; and

a rotor assembly having a cylindrical portion facing the stationary shaft with a predetermined clearance interposed therebetween in a radial direction of the stationary shaft and freely rotatably fitted with the stationary ~~shaft, wherein~~shaft;

a radial bearing comprising ~~a pressure generating groove is formed on~~ at least one of an outer circumferential surface of said stationary shaft and an inner circumferential surface of said rotor assembly ~~to thereby construct a radial bearing,~~ having a pressure generating groove located therein;

a flange-shaped disk receiving portion extending outwardly in a radial direction ~~is provided at the lower~~ and located at a first end of said rotor assembly, a predetermined number of recording disks ~~are~~ loaded on the disk receiving portion, a clamp ~~is disposed on the uppermost portion and~~ fixed to said

rotor assembly to squeeze the recording disks between the disk receiving portion and the clamp with a predetermined force for fixation of the recording ~~disks,~~ disks; and

a driving motor for rotating said rotor assembly ~~is rotated by a driving motor to hold~~ and holding said rotor assembly and recording disks in a non-contact manner with said stationary shaft, with the action of a dynamic pressure of a gas residing in a clearance between said stationary shaft and said rotor assembly, ~~characterized in that~~wherein

an outer diameter of said stationary shaft is constant in an axial direction thereof, while a diameter of the inner circumferential surface of said rotor assembly changes in an axial direction thereof when no recording disk is loaded on the disk receiving portion so that a clearance between the outer circumferential surface of said stationary shaft and the inner circumferential surface of said rotor assembly is ~~almost~~ substantially constant in the axial directions thereof when the recording disks are loaded on the disk receiving portion.

7. (Currently Amended) ~~A gasdynamic~~ The gas dynamic bearing motor according to claim 6, wherein the diameter of the inner circumferential surface of said rotor assembly ~~takes~~ has a minimum value in the substantial middle in the axial direction thereof and changes smoothly in the axial direction thereof to take a maximum value at the ~~lower~~ first end on the disk receiving portion side.

8. (Currently Amended) ~~A gasdynamic~~ The gas dynamic bearing motor according to claim 6, wherein the diameter of the inner circumferential surface of said rotor assembly ~~assumes~~ has a curved shape gradually increasing toward the end on the disk receiving portion side from the substantial middle in the axial direction thereof.

9. (Currently Amended) ~~A gasdynamic~~ The gas dynamic bearing motor according to claim 6, wherein the diameter of the inner circumferential surface of said rotor assembly ~~assumes~~ has a tapered shape increasing toward the end on the disk receiving

portion side from the substantial middle in the axial direction thereof.

10. (Currently Amended) A ~~gasdynamic~~ gas dynamic bearing ~~motor~~ motor, comprising:

a stationary shaft having a cylindrical surface; and

a rotor assembly having a cylindrical portion facing the stationary shaft with a predetermined clearance interposed therebetween in a radial direction of the stationary shaft and freely rotatably fitted with the stationary ~~shaft, wherein~~shaft;

a radial being comprising ~~a pressure generating groove is formed on~~ at least one of an outer circumferential surface of said stationary shaft and an inner circumferential surface of said rotor assembly ~~to thereby construct a radial bearing,~~ having a pressure generating groove located therein,

a flange-shaped disk receiving portion extending outwardly in a radial direction ~~is provided at the lower~~ and located at a first end of said rotor assembly, a predetermined number of recording disks ~~are~~ loaded on the disk receiving portion, a clamp ~~is disposed on the uppermost portion and~~ fixed to said

rotor assembly to squeeze the recording disks between the disk receiving portion and the clamp with a predetermined force for fixation of the recording ~~disks,~~ disks; and

a driving motor for rotating said rotor assembly ~~is rotated by a driving motor to hold~~ and holding said rotor assembly and the recording disks in a non-contact manner with said stationary shaft, with the action of a dynamic pressure of a gas residing in a clearance between said stationary shaft and said rotor assembly, ~~characterized in that~~wherein

an inner diameter of said rotor assembly is constant in the axial direction thereof, while a diameter of the outer circumferential surface of said stationary shaft changes in the axial direction thereof so that a clearance between the outer circumferential surface of said stationary shaft and the inner circumferential surface of said rotor assembly is ~~almost~~ substantially constant in the axial directions thereof when the recording disks are loaded on the disk receiving portion.

11. (Currently Amended) ~~A gasdynamic~~ The gas dynamic bearing motor according to claim 10, wherein the diameter of the outer circumferential surface of said stationary shaft ~~assumes~~ has a shape gradually changing so that a diameter ~~takes~~ has a maximum value in the substantial middle in the axial direction thereof and a minimum value at the end on the disk receiving portion side.

12. (Currently Amended) ~~A gasdynamic~~ The gas dynamic bearing motor according to claim 10, wherein the diameter of the outer circumferential surface of said stationary shaft ~~assumes~~ has a curved shape so that a diameter decreases gradually toward the end on the disk receiving portion side from the substantial middle in the axial direction.

13. (Currently Amended) ~~A gasdynamic~~ The gas dynamic bearing motor according to claim 10, wherein the diameter of the outer circumferential surface of said stationary shaft ~~assumes~~ has a tapered shape so that the diameter decreases toward the end on the disk receiving portion side from the substantial middle in the axial direction thereof.

14. (Currently Amended) ~~A gasdynamic~~ The gas dynamic bearing motor according to claim 6, wherein a difference between ~~the~~ a maximum value and a minimum value of a clearance between the outer circumferential surface of said stationary shaft and the inner circumferential surface of said rotor assembly is ~~equal to or less~~ not greater than one half of the clearance when the recording disks are loaded on the disk receiving portion.

15. (Currently Amended) ~~A gasdynamic~~ The gas dynamic bearing motor according to claim 6, ~~wherein~~ further comprising the annular groove according to claim 1 ~~is provided~~.

16. (Currently Amended) ~~A gasdynamic~~ The gas dynamic bearing motor according to claim 6, wherein a difference in radius between the inner and outer circumferential surfaces of said rotor assembly is not greater than 3 mm ~~or less~~.

17.-19. (Cancelled)